



DYNACO D-311 CLEANROOM

**Gravity
driven**

low friction technology



inside door

DYNACO D-311 CLEANROOM

The Dynaco D-311-Cleanroom LF is designed for inside applications requiring a limitation of leak flow and is ideal for interlocks. Its perfect sealing properties provide environmental control and protect your environment against drafts, dust and dirt.

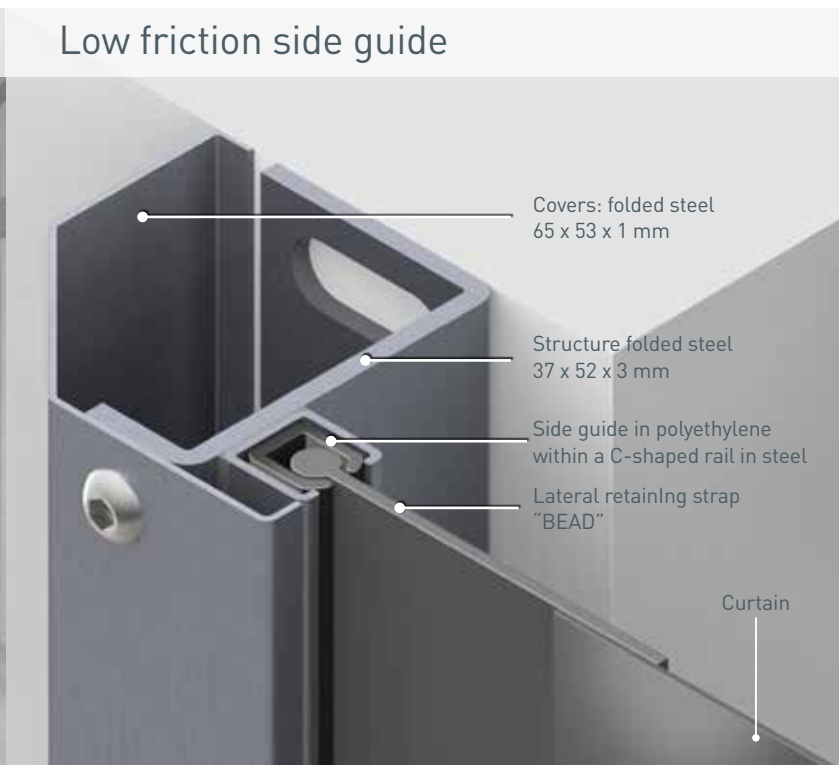
The patented «LF» (Low Friction) technology, combined with a frequency inverter driven motor, assures a smooth and silent operation for more user comfort.

- **OPENING SPEED:**
Up to 2,0 m/s.
- **PERFECT SEAL:**
Patented side guides and «BEAD» technology limit leak flow and allow energy savings.
- **SELF-REINSERTING WITHOUT INTERVENTION:**
The curtain automatically reinserts itself when dislodged. No repair costs, no production down time.
- **USER SAFETY:**
Flexible curtain without rigid elements.
- **COMFORT OF USE:**
DYNACO wireless detector at the bottom.
- **ADVANCED DRIVE:**
Frequency driven motor and encoder for smooth operation and reliability. Wearing elements are reduced to a minimum.
- **DYNALOGIC CONTROL BOX:**
User-friendly control box with self-diagnosis.
- **CONFORM TO EN13241-1**

Pressure resistant



Low friction side guide



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EN13241-1 STANDARDS

Standard	Ref.	Test acc.	Results
Water permeability	EN 12425	EN 12489	Class 2
Wind load	EN 12424	EN 12444	Class 1*
Wind permeability	EN 12426	EN 12427	3 (overpressure**) 1 (underpressure)
Safe openings	EN 12453	EN 12445	Pass
Mechanical resistance	EN 12604	EN 12605	Pass
Unintended movements	EN 12604	EN 12605	Pass
Thermal transmittance	EN 12428	EN 12428	6,02 W/m²K
Performance (cycles)	EN 12604	EN 12605	1.000.000

* Interior applications only

** Valid for a door of 3500 x 3500mm

CHARACTERISTICS

Max. dimensions	W 4.000 mm x H 4.000 mm
Opening speed Closing speed	up to 1,2 m/s (optional 2,0 m/s) 0,5 m/s
Structure	Folded steel 37 x 52 x 3 mm, galvanised before cutting and folding. Full covers standard. Option: stainless steel
Drum	Steel - Ø 102 x 2 mm.
Side guides	Reinforced polyethylene (PE-UHMW1000)
Motor	2 poles, without brake. Power 0,75 kW. IP rating: IP 65
Control box	DYNALOGIC provided with: Circuit breaker, general divider, adjustable timer, push button for opening and reset and emergency stop. IP rating: IP 54. Frequency inverter.
Standard detectors	Infrared barrier: 300 mm from the floor. Wireless DYNACO detector (WDD) DBD: correct unwinding detector
Power supply Frequency	Single phase 230 V - 14 A. Frequency: 50-60 Hz
Advised operating temperature	+ 5 °C up to + 40 °C
Available colours comparable with:	<div> <div>Yellow RAL1003</div> <div>Orange RAL2004</div> <div>Red RAL3000</div> <div>Blue RAL5002</div> </div> <div> <div>Green RAL6005</div> <div>Grey RAL7035</div> <div>White RAL9010</div> <div>Black RAL9005</div> </div>

(Actual colours may deviate. Colour samples available upon request)

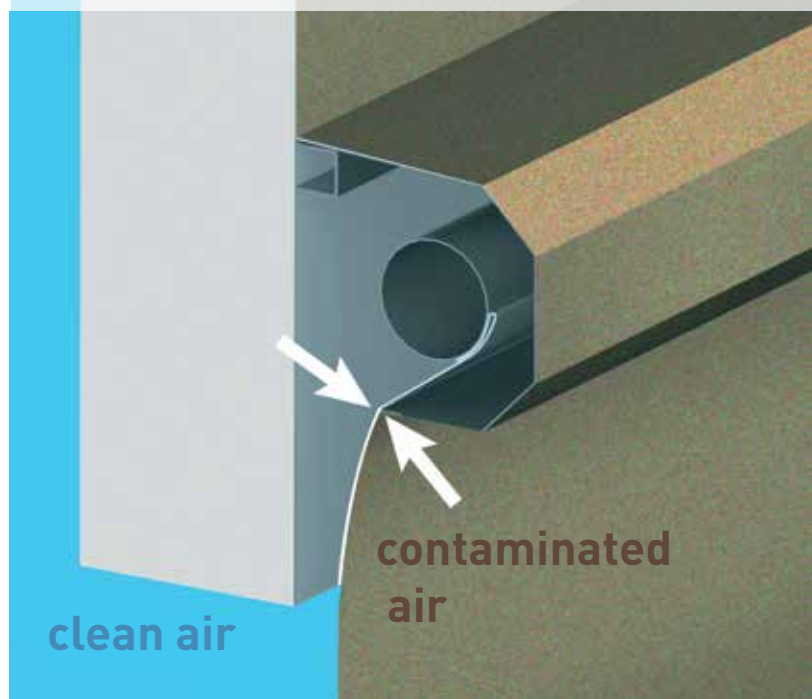
** Overpressure - underpressure

overpressure

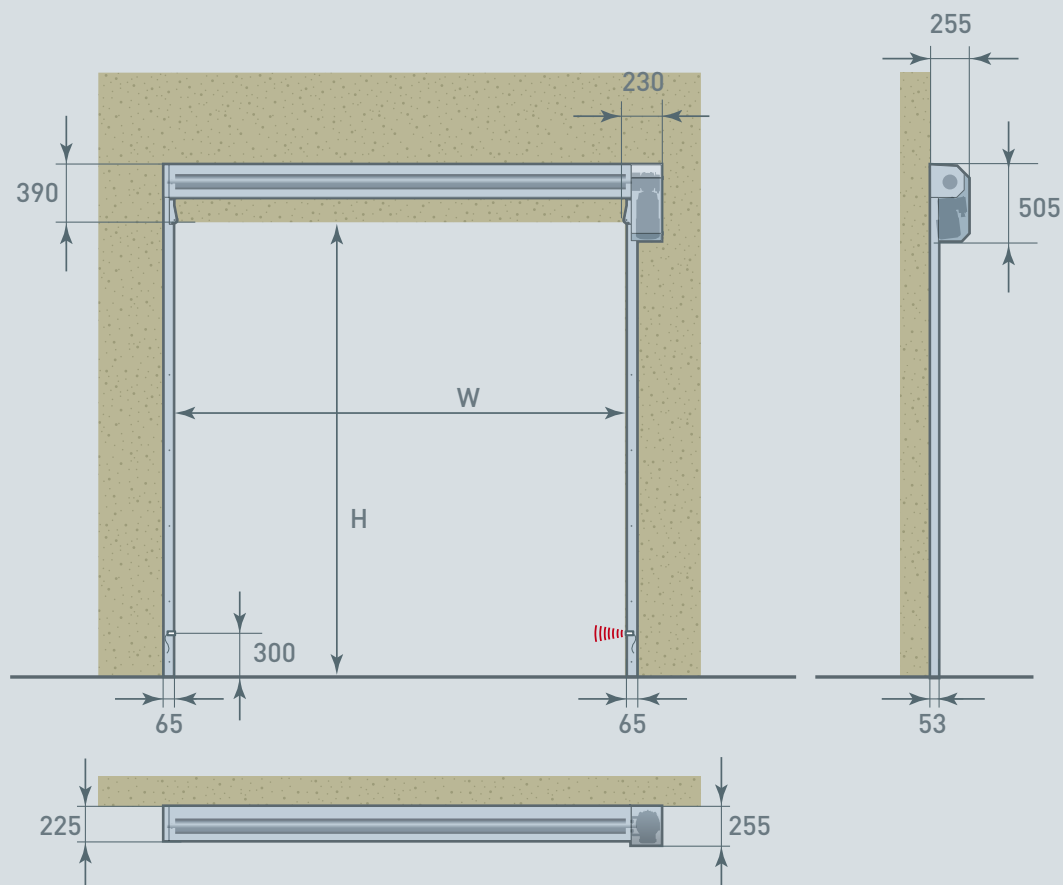
underpressure



Improved sealing



Dimensions and installation requirements Dynaco D-311 Cleanroom



All indicated dimensions are based on exact width and height dimensions only. The space necessary for mounting and maintenance has to be provided.

REMARK: Based on the risk analysis of the environment, extra push buttons, detectors and covers might be required.



ENTREMATIc BELGIUM NV
Waverstraat 21
B-9310 Moorsel-Aalst (Belgium)
Tel. +32 53 72 98 98
Fax. +32 53 72 98 50
info.dynaco.eu@entrematic.com
www.dynacodoor.com

About Dynaco

Founded in 1987, the Dynaco brand has a strong heritage and a wealth of expertise in high performance doors. Dynaco is committed to achieving excellence in quality and performance through a certified and dedicated network of partners, providing outstanding service to customers worldwide. Furthermore we trust our USA division and our licensed partners in Russia, Japan, China, Vietnam and Brazil to deliver on our customer promises.

Dynaco is part of Entrematic—the home to some of the world's most innovative and leading brands within the entrance automation industry. The comprehensive range of product brands includes Ditec, Normstahl and em/Entrematic.



www.toshiautomation.com sales@toshiautomation.com